

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) An apparatus comprising:
a container having at least one flexible wall, a fluid receiving port, a fluid discharge port,
and a plurality of compartments fluidly coupled to at least one of the fluid
receiving port and the fluid discharge port;
wherein the fluid receiving port receives a continuous flow of a biological fluid that
includes a target antigen, and wherein the fluid discharge port emits a continuous
flow of the biological fluid that is at least partially depleted of ~~from~~ the target
antigen;
wherein at least one of the compartments further comprises a plurality of magnetic beads
that carry ~~are coupled to~~ an affinity marker that binds the target antigen; and
wherein the target antigen is separated from the biological fluid using a magnetic force
and an automatic mechanical force, wherein at least one of the magnetic force and
automatic mechanical force is transmitted through the flexible wall.
2. (Previously Presented) The apparatus of claim 1 wherein at least one of the compartments
includes a fluid selected from the group consisting of a buffer, a wash fluid, an isotonic fluid, and
an elution fluid.
3. (Previously Presented) The apparatus of claim 1 wherein the affinity marker is selected
from the group consisting of an antibody, an antibody fragment, and a lectin.
4. (Currently Amended) The apparatus of claim 1 wherein at least one of the compartments
further includes a port that allows draining of the at least one of the compartments.
5. (Previously Presented) The apparatus of claim 1 wherein the biological fluid comprises
whole blood.
6. (Currently Amended) The apparatus of claim 1 wherein the target antigen is present on
any of ~~selected from the group consisting of~~ a stem cell, a diseased cell, a bacterium, and a virus.